## TITLE

## CONCATENATED VIVALDI NOTCH/MEANDER LINE LOADED ANTENNAS

## FIELD OF INVENTION

This invention relates to ultra wide bandwidth antennas, and more particularly to the concatenation of combined Vivaldi notch and meander line loaded antennas.

## **BACKGROUND OF THE INVENTION**

The purpose of providing such a combined Vivaldi notch antenna and meander line loaded antenna, is to take advantage of the high upper frequency cut-off of the Vivaldi notch antenna while establishing a minimized low frequency cut-off by utilizing the meander line loaded antenna configuration. As described in the above patent applications, the operation of these antennas provides continuous grating lobe-free coverage of, for instance, between 50 MHz